

## Product datasheet for PH301118

### ECM1 (NM\_004425) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	ECM1 MS Standard C13 and N15-labeled recombinant protein (NP_004416)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201118
Predicted MW:	60.7 kDa
Protein Sequence:	>RC201118 protein sequence <span style="color: red;">Red</span> =Cloning site <span style="color: green;">Green</span> =Tags(s)

MGTARAALVLTYLAVASAASEGFTATGQRQLRPEHFQEVGYAAPPSPPLSRSLPMDHPDSSQHGPFFE  
 GQSQVQPPPSQEATPLQQEKLLPAQLPAEKEVGPPLPQEA VPLQKELPSLQHPNEQKEGMPAPFGDQSHP  
 EPESWNAAQHCQQDRSQGGWGHRLDGFPPGRSPDNLNQICLPNRQHVVYGPWNLPQSSYSHLTRQGETL  
 NFLEIGYSRCCHCRSHTNRLECAKLWEEAMSRFCEAEFSVKTRPHWCCTRQGEARFSCFQEEAPQPHYQ  
 LRACPSHQPDISSGLELPFPPGVPTLDNIKNICHLRRFRSVPRNLPATDPLQRELLALQLEREFQRCCR  
 QGNHCTWKAWEDTLKYCDREYAVKTHHLLCCRHPPSPTRDECFARRAPYPNYDRDILTIDISRVTPN  
 LMGHLCGNQVRVLTKKHPIPLIHNMTARCCDLPFPEQACCAEEELTFINDLCGPRRNIWRDPALCCYLS  
 PGDEQVNCFNINYLNRNALVSGDTENAKGQGEQGSTGGTNISSSTSEPKKE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_004416</u>
RefSeq Size:	2161
RefSeq ORF:	1620


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**Synonyms:** URBWD

**Locus ID:** 1893

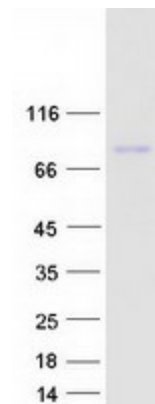
**UniProt ID:** [Q16610](#), [A0A140VJ17](#)

**Cytogenetics:** 1q21.2

**Summary:** This gene encodes a soluble protein that is involved in endochondral bone formation, angiogenesis, and tumor biology. It also interacts with a variety of extracellular and structural proteins, contributing to the maintenance of skin integrity and homeostasis. Mutations in this gene are associated with lipoid proteinosis disorder (also known as hyalinosis cutis et mucosae or Urbach-Wiethe disease) that is characterized by generalized thickening of skin, mucosae and certain viscera. Alternatively spliced transcript variants encoding distinct isoforms have been described for this gene. [provided by RefSeq, Feb 2011]

**Protein Families:** Secreted Protein, Transmembrane

### Product images:



Coomassie blue staining of purified ECM1 protein (Cat# [TP301118]). The protein was produced from HEK293T cells transfected with ECM1 cDNA clone (Cat# [RC201118]) using MegaTran 2.0 (Cat# [TT210002]).